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Dairy-Herd-Improvement Letter

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6.67 MILLION DHIA LACTATION RECORDS IN MASTER MAGNETIC TAPE FILE

During the sire summary process the Master File of DHIA lactation records is up-dated with currently reported lactation records and corrected lactation records returned from the States. During the current tabulation records received prior to May 1, 1962 were edited and included in the file.

The tabular material on the following pages shows the number of records and number of cows by breed of sire, represented in the Master File as the up-dating process was completed in August, 1962.

In the screening process 135,272 lactation records were returned to the States because of errors or discrepancies. Two thorough editing operations are carried out, one as the incoming current data are verified and one as the current records are placed in the Master File. In these processes a record is removed for one of two reasons: (1) errors in reporting (2) conflict with other reports received on the same cow.

Accurate and complete reporting is essential for the use of production records in selecting animals for genetic improvement. The responsibility for accurate reporting ultimately rests upon the herd owner and the supervisor. To insure the accuracy of data used for sire evaluation and to aid the States in improving the accuracy of reporting, the records received are thoroughly screened, as indicated on form DHIA-1060-A.

The current data surviving editing increased the size of the Master File of lactation records to 6,671,089, representing 3,111,433 cows. These data activated 18,882 sires for tabulation.

Issued September 1962

Table 1. Contents of DHIA Master File and Sires Selected for Summarization, 08-62

<u>Breed</u>	<u>Sires Selected for Summary</u>	<u>Master File</u>		
		<u>Sires</u>	<u>Cows</u>	<u>Lactations</u>
Ayrshire	801	16,493	109,925	273,652
Guernsey	5,543	60,023	447,557	1,039,987
Holstein	8,873	151,076	1,377,641	3,241,651
Jersey	2,956	44,445	313,702	756,170
Brown Swiss	519	13,489	76,766	191,225
Milking Shorthorn, Red Dane, Red Poll	190	7,966	29,754	62,200
Lacking Sire Number	-	-	756,088	1,106,204
Total	18,882	293,492	3,111,433	6,671,089

PRODUCTION RECORDS REPORTED TO THE DAIRY CATTLE RESEARCH BRANCH BY STATE EXTENSION SERVICES,
FOR THE PERMANENT FILES DURING 1961 and 1962

First 6 months of 1962										1961	
State	Cows on	Production	Herd Test Records Reported by --		Total records reported	Records Returned	Production records reported				
	test in all	records	American	American			3/	2/			
	association	reported	Guernsey	Jersey							
	herds on		Cattle	Cattle							
January 1	1/	2/	Club	Club							
	Number	Number	Number	Number	Number	Percent	Number	Number	Percent		
Maine-----	22,266	7,426	12	3	7,441	33.4	111	19,178	86.9		
N. H-----	13,078	4,301	36	9	4,346	33.2	75	10,006	81.7		
Vt-----	48,743	14,311	35	167	14,513	29.8	281	25,431	53.2		
Mass-----	22,504	9,766	108	95	9,969	44.3	41	20,056	88.0		
R. I-----	2,585	789	29	85	903	34.9	6	2,296	84.8		
Conn-----	24,702	8,318	237	-	8,555	34.6	131	17,069	69.0		
N. Y-----	163,749	68,430	278	166	68,874	42.1	4	143,262	91.1		
Pa-----	163,530	32,228	496	55	32,779	20.0	449	135,246	86.6		
N. J-----	30,280	6,349	551	95	6,995	23.1	212	15,303	54.2		
Md-----	46,985	11,698	147	91	11,936	25.4	48	28,424	61.2		
Del-----	3,477	1,703	75	-	1,778	51.1	1	3,819	99.7		
Va-----	61,194	19,249	156	43	19,448	31.8	213	48,405	80.7		
W. Va-----	6,542	2,551	10	10	2,571	39.3	38	6,032	65.8		
Ky-----	21,187	6,420	37	121	6,578	31.0	132	6,061	35.0		
N. C-----	37,652	12,201	262	62	12,525	33.3	52	26,348	75.5		
S. C-----	16,606	5,420	223	-	5,643	34.0	3	10,942	79.0		
Ga-----	25,942	4,574	121	29	4,724	18.2	39	8,979	40.0		
Fla-----	21,252	4,492	176	8	4,676	22.0	69	4,810	22.5		
Ala-----	21,088	6,163	6	12	6,181	29.3	10	11,707	58.3		
Miss-----	9,917	1,795	91	41	1,927	19.4	31	3,253	37.5		
Tenn-----	22,874	2,445	253	135	2,833	12.4	-	5,558	28.7		
La-----	4,455	505	179	44	728	16.3	12	1,177	26.4		
Ark-----	3,713	1,849	86	44	1,979	53.3	-	2,041	71.7		
Ohio-----	75,826	20,675	1,116	552	22,343	29.5	364	45,260	67.9		
Ind-----	36,301	17,024	131	98	17,253	47.5	6	22,285	56.8		
Ill-----	60,486	18,249	258	126	18,633	30.8	140	50,808	87.5		
Mich-----	73,118	32,981	111	161	33,253	45.5	-	60,801	91.5		
Wis-----	109,286	45,822	46	46	45,914	42.0	-	121,765	121.4		
Minn-----	124,831	31,143	90	28	31,261	25.0	765	67,147	58.9		
Iowa-----	57,755	37,240	-	52	37,292	64.6	91	33,904	59.3		
Mo-----	26,938	5,066	147	69	5,282	19.6	146	9,652	37.2		
N. Dak-----	5,899	3,598	-	-	3,598	61.0	70	3,974	67.1		
S. Dak-----	7,238	1,901	-	-	1,901	26.3	5	1,905	29.3		
Nebr-----	12,700	5,529	212	16	5,757	45.3	24	5,072	42.2		
Kans-----	31,759	13,842	80	33	13,955	43.9	82	14,655	50.5		
Okla-----	8,777	3,696	51	86	3,833	43.7	49	2,228	28.1		
Tex-----	28,513	6,829	153	310	7,292	25.6	29	11,926	48.0		
Mont-----	4,093	877	44	-	921	22.5	-	1,776	31.2		
Idaho-----	27,100	3,381	102	21	3,504	12.9	107	8,203	31.3		
Wyo-----	1,342	289	10	-	299	22.3	-	397	20.5		
Nev-----	3,812	525	-	13	538	14.1	-	291	8.4		
Utah-----	17,739	10,811	-	-	10,811	60.9	-	10,942	62.7		
Colo-----	16,938	3,167	20	6	3,193	18.9	-	2,413	13.8		
N. Mex-----	4,848	699	88	24	811	16.7	3	932	18.7		
Ariz-----	21,210	2,998	47	1	3,046	14.4	5	3,213	15.3		
Wash-----	45,113	8,633	525	90	9,248	20.5	109	23,297	48.3		
Oreg-----	27,500	9,994	291	231	10,516	38.2	190	19,470	65.6		
Calif-----	329,517	3,666	579	164	4,409	1.3	144	6,838	2.2		
P. R-----	4,970	193	-	-	193	3.9	-	38	.8		
Hawaii-----	85	34	-	-	34	40.0	-	80	58.0		
Alaska-----	340	18	-	2	20	5.9	-	124	-		
U. S-----	1,958,355	521,863	7,705	3,444	533,012	27.2	4,287	1,084,799	58.1		

- 1/ Includes cows enrolled since January 1, 1962.
2/ Production records reported on DHIA-718 and DHIA-1095.
3/ Records returned to States because of inconsistent or incomplete data.



Growth Through Agricultural Progress